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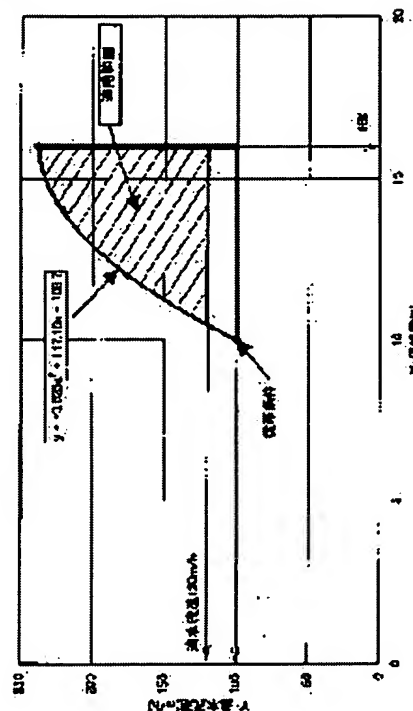
(72)Inventor : OHASHI SHINICHI
 ITO TOMOAKI

(54) OPERATING METHOD OF CONDENSATE DEMINERALIZER

(57)Abstract:

PROBLEM TO BE SOLVED: To secure current through put capacity of ion-exchange resin even in a high flow velocity range of water passing through a bed of the ion-exchange resin, to reduce size and the cost of the equipment by enhancing the passing water flow velocity and also to reduce the pressure drop across the ion-exchange resin bed to a sufficiently low value.

SOLUTION: This operating method involves using a gel type strong-acidic cation-exchange resin in the form of a mixed bed consisting of the cation-exchange resin and a strong-basic anion-exchange resin, in a condensate demineralizer, wherein: the degree (X) of crosslinking of the gel type strong-acidic cation-exchange resin and the passing water flow velocity (Y) through the ion-exchange resin bed are such specified values as to meet a specific relational expression or the water retention capacity (X) of the gel type strong-acidic cation-exchange resin (H type) and the passing water flow velocity (Y) through the resin bed are such specified values as to meet a specific relational expression. The condensate demineralizer can appropriately be used in a pressurized water reactor (PWR) type atomic power plant and a thermal power plant.



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